

[illegible]

A process for producing a hydrogenated ester by hydrogenating an unsaturated group-containing ester having a specific structure by using a hydrogenating catalyst so as to obtain a hydrogenated ester with a high selectivity. It is preferred that the unsaturated group-containing ester as the raw material is diluted with an inert solvent and/or the concentration of carboxylic acid contained in the raw material is made 1 wt.% or less so as to effect a hydrogenation reaction. The hydrogenating catalyst to be used for the above hydrogenation may preferably be one comprising at least one metal selected from Group VIII elements, Group IX elements, and Group X elements in the periodic table, and preferably has an acidity of 1.0×10^{-1} mmol/g or less.